



## MFC TSP

Ambient Air Sampler

The TE-5170 is a high volume ambient Total Suspended Particulate (TSP) air sampler featuring a mass flow controller (MFC) for accurate and consistent particulate sampling. The mass flow controller adjust the motor speed as the filter media collects particulate to maintain a constant flow rate throughout the entire sample duration. The system utilizes a stainless steel filter holder for use with standard 8" x 10" filter paper. The anodized aluminum shelter and robust electrical components allow the system to operate a continuous 24 hour sample.

**ABOUT US:** Tisch Environmental Inc. Tisch Environmental is the benchmark for high volume air sampling, particulate, metals, volatiles, and specialty monitoring equipment. Since the company's inception in 1953 as General Metal Works, our product line has expanded from the first high volume air sampler to include high-tech and custom samplers. Our clients are professionals from every sector of the regulatory and industrial markets.

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- ⓘ Meets EPA CFR, Appendix B to Part 50
- ⓘ Total Suspended Particulate(TSP)
- ⓘ Mass Flow Controlled
- ⓘ 7-Day Mechanical Timer
- ⓘ Elapsed Time Indicator
- ⓘ Aluminum Outdoor Shelter
- ⓘ Brush Style Motor
- ⓘ Dickson Chart Recorder, 24 Hour
- ⓘ Stainless Steel Filter Holder
- ⓘ 36-60 CFM
- ⓘ Made in USA

## General System Specifications

**Particulate Size:**Total Suspended Particulate (TSP)  
**EPA Designation:** CFR 40 Part 50 Appendix B  
**Flow Controller:** Mass Flow Controller  
**Motor Style:**Brush Style Motor Assembly  
**Pressure Recorder:**Dickson Chart Recorder, 24 hour  
**Timer:**7 Day Mechanical  
**Elapsed Time Indicator:**Mechanical, Hours and Tenths  
**Flow Range:**39-60CFM, 1.09M<sup>3</sup>M-1.68M<sup>3</sup>M  
**Housing:**Anodized Aluminum  
**Filter Holder:**Stainless Steel, 8" x 10"  
**4" Recorder Charts:** Box of 100  
**Filter Holder:** 8" x 10" Stainless Steel with hold down frame

## Available Models

*TE-5170 TSP MFC, 110 Volt 60 Hertz, 8 Amps*  
*TE-5170X TSP MFC, 220 Volt 50 Hertz 4 Amps*  
*TE-5170XZ TSP MFC, 220 Volts 60 Hertz, 4 Amps*

## Calibration Equipment

TE-5028 -Variable Flow Calibration Kit  
TE-HVC-V Xcalibrator HiVol Calibrator

## Applications

US EPA Reference Method Sampling, CFR  
Appendix J Part 50 Regulatory Compliance  
Institutional Studies  
Construction Sites  
Bridge and Water Tower Painting Sites  
Fence Line Monitoring  
Industrial Monitoring  
Landfill Monitoring  
Public Health Applications

## Optional Equipment

TE-3000 Filter Holder Cartridge  
TE-G653 8" x 10" Glass Fiber Filter Media  
TE-33384 Motor Brush Set (110volt)  
TE-33378 Motor Brush Set (220volt)  
TE-116311 Replacement Motor (110volt)  
TE-116312 Replacement Motor (220volt)  
TE-106 Recorder Charts  
TE-160 Recorder Pen Points  
TE-5018 Gasket 8" x 10"

## Physical Specifications

**Weight:** 75lbs, Shelter  
**Shipping Dimensions:** 46"W x 23"L x 20" H, Shelter  
19"W x 19"L x 20"H, Lid  
**Assembled Dimensions:** 28"W x 28"L x 61"H